THIS MONTH WE SALUTE
GULFSTREAM SOCIETY OF
AMATEUR RADIO OPERATORS
(See story below.)

[redacted] K4KJA

FLORIDA SKIP

VOL. 16 NO. 7 THE ALL-FLORIDA RADIO AMATEUR'S PUBLICATION DECEMBER / 1972 Price 20c

They Said It Couldn't Be Done...

This month we salute the Gulfstream Society of Amateur Radio Operators of Lake Worth. GSARO really stuck their necks out by co-sponsoring the first All Florida Amateur-Citizen Band Auctionfest, October 28, 1972 at the Palm Beach Junior College.

Many amateurs openly criticized GSARO for even attempting such a thing. A true head count was not given but a safe guess would be about 300 persons attended throughout the 9 a.m. to 5 p.m. period. One club officer estimated about a 80 to 20 percent ratio. The 80 percent being amateurs.

Here is what appeared in the program . . . "The Gulfstream Society of Amateur Radio Operators, Inc. in conjunction with the Gold Coast Radio Club presents the first annual ham and cheeseburger auctionfest. This combined effort of amateurs and citizen radio service operators is possibly the first of its kind in the country.

"The sponsors of this combined effort believe that by working together and sharing each others ideas, we will contribute more to public service in time of need.

"The example we set today may well be the course we follow tomorrow. We ask all amateurs and citizen banders to set aside your differences and renew your efforts for the good of both services.

"Help the amateurs and citizen banders to prove IT CAN BE DONE.

G.S.A.R.O. & G.R.C."

Plans are already underway for another bigger and better auctionfest sponsored by these two groups next year.

FROM THE PRESS

(From The Florida Times Union)

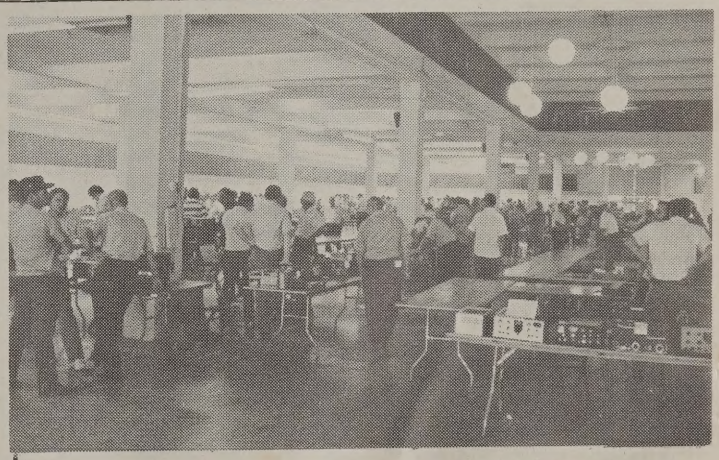
A Jacksonville ham radio operator's willingness to help — plus some new radio equipment — brought speedy assistance to the scene of a serious automobile accident near Winter Park.

Doug Jacques, WA4QIM (Pres., Jacksonville Range Assn. - WB4QFL repeater), was at home Wednesday at 10:20 p.m. when he heard via a radio repeater, a device which extends a radio's range, a report of an emergency.

Jacques contacted the caller, a man named Warren Brookins, W4WGR (keying WB4QEL only with a hand-held portable). Warren said he was at the scene of a serious accident but could raise no Orlando radios with his walkie-talkie. Volunteering to report the accident, Jacques called the local Florida Highway Patrol. Moments later the patrol returned his call. Police units responded in 3 minutes, 10 seconds. (Via K4ZDS & WB4-JDA).

COMING EVENTS

Jan. 20-21, 1973 — MIAMI HAMBOREE.
Apr. 7-8 — FLA. QSO PARTY.
Jun. 23-24 — ARRL FIELD DAY.
Notice: PLEASE send in dates early for publication here! —Editor.



This was the general swap table area at the Tampa Hamfest last month sponsored by the Hillsborough Amateur ARS. With plenty of room and used equipment — everyone had a wide choice of goodies. Next stop for the swappers — Miami Hamboree.
(Photo via WB4IQH - HARS, Inc.)

IT'S FINAL

Now that the 1972 Field Day scores have been published in November QST it is our pleasure to announce the FD winners in the single and multi-class. Winner of the single transmitter class again goes to a non-club group from the St. Petersburg area operating under the call of K4KE, with 1,372 points. The operators were: WA4BGW, K4BNE, K4EHY, K4KE, WA4OHO, WB4OMG and W4ZCB.

A surprise winner of the multi-class trophy this year was the West Palm Beach ARC (W4HAW) with a smashing 5,921 points. This hard working group have their caps set for another win next year, we are told.

As previously announced, ALL FLORIDA SKIP FD AND QSO PARTY trophies will be awarded at the main Sunday drawing of the Miami Hamboree. Congratulations again to all winners.

CONFIDENTIAL FREQ. LIST

An extensive directory of short-wave services has just been published by Gilfer Associates. The book, called **"Confidential Frequency List"** was written by Bob Grove, WA4PYQ, of West Palm Beach, and contains thousands of intriguing frequencies and identifications. Military operations, government stations, spies, teletype, and many other classifications make this carefully-documented work a classic in its field. Wherever possible, allocations were confirmed by agencies or by the ITU master lists of Geneva, Switzerland.

"Much of the initial work was by the painful hunt and peck system," explained Bob. "I used an SP-600 receiver and a BC-221 frequency meter." Asked whether the task presented any problems because of the guarded nature of some of the disclosures, Bob

(Continued on page 16)

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Deadline — 10th of month in Box 501, Miami Springs, Fla. 33166.

Any item in FLORIDA SKIP may be reprinted in any other amateur radio publication in the world with a credit line.
—Editor

OM, Nominate your XYL for our Skip Dear Mable Award. A most unusual award. Free to members. Give her full name, your call and mailing address. Editor.

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Manatee ARC, WB4AIW, Bradenton
Fla. SB Assn., WA4SII, Lake Mary

SILENT KEYS

We are sorry to report the passing of the following amateurs:

W4SCQ, A. P. Murphy, Coral Gables.

WA4SVT, William G. Jacobson, Odessa.

WA4EOQ, Leon Christian "Bud" Love, Tallahassee.

WB4IYA, Louis Storey, Port Charlotte.

FREE 73 CALENDARS

Once again (our 10th year) FLORIDA SKIP is offering a neat 3¼X6½ (post card size) 1973 five-color calendar to all its subscribers. It fits nicely anyplace in your shack, office, bedroom. It has large numbers, easy to read at a distance for us guys with weak eyes. Last year we ordered 400 and they were all sent out. So all we ask you to do is send any size self addressed stamped envelope for your calendar to: CALENDAR, FLORIDA SKIP, Box 501, Miami Springs, FL 33166. No SASE — no Calendar. OK?

TO THE EDITOR

Hi Andy,

Having made the Hamfest circuit around Florida for several years now, I would like to make a few comments and one suggestion.

Every club that sponsors a hamfest have a few members who knock themselves out to make it successful. These members are also the ones who get the static about everything — from the lousy coffee the vendors palm off on us to the overpriced and inadequate motels for the out of towners, some who travel 6-8-10 hours to visit the hamfest. They also get their ear bent about the same old beat up ART 13 being offered for sale.

Ham radio has come a long way since WW II. Really now, does that surplus gear have any value or use to the modern ham?

SUGGESTION: All clubs band together and use all your energy and resources to put on one large Gala event annually. Invite ALL electronic manufacturers (component parts included) and their Florida distributors to participate, and, give them value for value received. Don't ask them to compete with the individual who is selling his surplus gear. Move the swap area to some place other than the main convention area. Seek out men and women who are experienced in different fields related to ham radio for lectures and demonstrations.

Tom Middleton, WB4CKY
Hollywood, Fla.

P.S.: If anyone is offended by this letter I make no apology. . .

Here is the first part of Jim Hagen, WA4GHK, story about the LF (160 to 190 kc). (Elsewhere).

If you have room in the first article you might give some DX reports. WA4GHK has heard his own sig. 200 miles away and had 2 way contacts with me, 75 miles away. Contacts up to 200 miles in the North have been made and at least 1 station has been heard over 300 miles.

I will send you the rest of Jim Hagen's report (letter) made into part II and III and each will be shorter than this. Think you said to hold it down to about 1 column.

Jim and I plan to get the transmitters back on the air about Nov. 1 to Nov. 15 and run them to about Apr. 1, 1973. Our freqs. are 189 Kc. These freqs might possibly change during the season and a card to either of us will receive a confirmation.

Jim Hagan, 896 Port Malabar Blvd., Palm Bay, FL 32905.

Jack Ross, Box 167, Oakland, FL 32760.

Thanks, Andy, and I'll try to get the next 2 parts in the mail in 2 or 3 weeks.

Jack Ross, K4NTD,
Oakland, FL

FROM HERE'N THERE

Couldn't afford to miss an issue of SKIP, WA3MLY-4, Clearwater . . . From the past months editorials I suggest you change the name to South Florida Skip and keep it down south. Les Brown, W4NOG, Warrington, Fla. . . . (Editor's note: What editorials?) A honeymoon is the vacation the groom takes just before starting work for a new boss. . .

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2. Mail Subscriptions	2240	2806
C. Total Paid Circulation	2244	2306
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1. Samples, Complimentary, and other free copies	114	142
2. Copies distributed to news agents, but not sold	0	0
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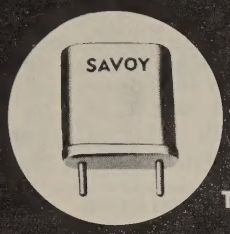

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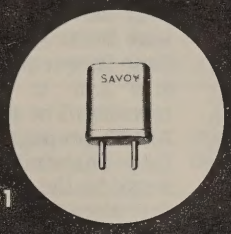

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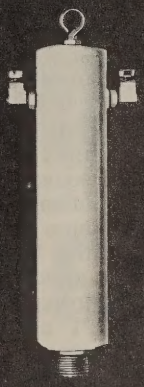

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NAVY MARS, NORTH

By Bonnie, N0PJQ

Henry, N0GAJ, enjoyed a short vacation during this past month. He reports that there was not as much sunshine as there is here in N. Florida.

The 2 Meter repeater is now in operation. N0EQW and N0QKH have been conducting successful communications on the repeater.

Welcome back to Bill, N0QJP of Oviedo.

Stations, PLEASE remember to send in your station activity reports to your Area Coordinator. This is VERY important. Without this, there is no way for him to tabulate your number of hours participation.

All N. Florida members remember the meeting held at NTC Orlando on the First Tuesday of each month. These meetings are usually very interesting and informative.

AIR FORCE MARS

By AFC4BND-WB4BND

The teletype net has another new frequency. I hope they can stay there for a while, as reports so far, indicate it is much better than other recent moves. They have the same problems most of us do, the need for new crystals whenever changing frequencies. The frequency is 4876.5, making it slightly difficult to monitor unless you have a general coverage receiver. For those of you wanting to listen, they run 60 WPM with 170 cycle shift. Anyone with RATT capabilities, check in when you can, I'm sure you will get a royal welcome.

While on the subject of new happenings, there is another voice net that has started some time ago that is fast catching on. If you don't mind having your breakfast interrupted to take traffic, listen on the night time frequency of 4581.5 from 6:30 a.m. to 7:30 a.m. each morning. The net designator is ADS23, propagation is good and they do handle traffic. This might be the way for you to get that piece of traffic you got too late for the night time net off without having to delay it until the next evening.

Some of our region 2 members have been running propagation checks with region 1 in preparation for the upcoming change, combining the two regions into one net. The net frequency is 4596.5 lower sideband and the one we will be using. It might be good to at least listen to see how well the northern stations come in at your location. Most do very well here in Miami and I forsee no problems from here. You might, if you have been in the program several years, remember at one time, this was our frequency.

The other day, I was informed that some equipment was sifting into the region. I don't mean junk either. You aren't going to get any, though, If you haven't a request filed at headquarters. I trust you all got your change C to the AFM 100-15 and attached newsletter by now, it contains the new form necessary to accomplish this.

NAVY MARS-SOUTH

By Jim Wilson, N0WCK

Our South Florida SSB traffic net on 4015 MHz is averaging about 20 check-ins per night. Bill Kibbe, N0EXU, our training officer takes pride in helping our members use correct procedure when passing traffic.

On the 4008.5 MHz CW net at 2200 Z it is Fred Knight, N0WYQ, who watches training on a fine net. Early in November, Bob Davenport, N0RXC, of Hollywood Beach started checking in, after moving down from N.Y. City.

Do you have some ham friend you would like to recommend for membership in our program? If so, send to Area Coord., N0GAL-PLX in St. Pete a summary of his qualifications, including age and address, experience, equipment, freqs. workable, and sincerity. If found to be acceptable you will be furnished with application forms to submit. Please be very selective.

TRAFFIC NETS

Net	Fqcy.	GMT
GATOR	7115	1230
QFN E	3651	2300
QFN L	3651	0200
4RN E	3567	2345
4RN L	3567	0130
QFTN	3715	0100
EAN	3670	0030
CAN	3670	0130
RN5 E	3645	0030
RN5 L	3645	0230
FPTN	3940	1100
FMTN	7254	1600
TPTN	3940	2130
FAST	3940	2230
WFPN	3957	2300

THIRD ARMY MARS FLORIDA DISTRICT ONE

By Herb Nelson, AA4AZ

Two meter activity thru the MARS repeater at Starke has really picked up in the last fifteen months. The following are "regulars": AA4AZ, A4CYG, A4KQP, AL4QMH, A4WMN, and AD4YPY, who communicate daily. Others who participate quite often are A4JWG, AL4LZV, A4OOI, A4PSY, AD4RON, A4WEB and AL4YJJ. (Average coverage 35 to 45 miles, with A4WEB coming in frequently from Port St. Joe about 185 miles.)

We had two "openings" in October. On the 9th we had full quieting QSO with AA4OTA in Opelika and AL4USQ in Enterprise, Alabama for a full 60 minutes. On the 28th AD4GWW, Jim, Largo, Fla. broke-in for a fine gab session.

FLORIDA OOTC

All OOTC (Old Old Timers Club) members who would like to become Charter Members of FLORIDA OOTC NO. ONE chapter are requested to notify K4NE before December 15, 1972. No dues are required at this time. When organization is completed the dues will be $1.00 annually to cover mailing costs.

Membership in the OOTC is open to all amateurs who were licensed in 1932 or earlier (40 years ago), and who hold a current amateur license. Each Sunday following the Noon QCWA net on 7254 KHz OOTC will hold an informal net session. (OOTC net starts about 1800 or 1830 GMT). Try to join us. — 73 Lou, K4NE, NCS.

VHFers COLUMN

By Frank Shannon, K4GT

"READIN'-THE-MAIL" ON 6 and 2: The cold weather of the northern states is now expediting the annual invasion of tourists to warm Florida! Already WA1NPF, Everett Smith, of Newport, R.I., has opened his winter residence in Largo. Skip on 6 SSB, during evening hours of Sunday, November 5th brought in numerous signals from New England and Eastern states — among these were the strong signals of an old VHFer, K1HFK, New Hampshire. He informed members of the Medicare Net of his intentions to pack-up and head for Anna Maria Island. You may have QSO's Mel during his previous winter seasons here — or during skip as NCS of the "What-have-you-weather Net" on 50.110 MHz SSB.

WB4LPA, Ralph, Zephyrhills, has returned to Florida after a summer tour of northern states, with XYL, in his motor home vehicle. Another Ole' Timer on VHF, WA4THT, George, "Tall Handsome Tiger," Tampa, has acquired a Swan 250 Xceiver and shortly will be SSBing all over 6 MHz!

Heard the aforementioned from his buddy, Roy, WA4UYC, Treasure Island. Roy is quite active on 6 SSB — you may know him as the "West Virginia Ridge-Runner"!!

NIGHT OWLS: If you are the insomnia type — or employed on a late shift, you can join WB4INK, Jim, St. Petersburg, in the dark hours, starting nightly at 12.30 a.m. local time on 6 MHz AM, vertically polarized. Jim has this sked with two other Jims, WB4YPC and WB4WBL, on approximately 50.7 MHz. So, you fellas in the Greater Tampa Bay area, give it a try!

2 METER FM DOINGS: K4SRS, Bill Black, Tampa, is rebuilding his shack. If you've never visitied Bill's array of test-gear — then try to arrange a visit! You'll be amazed! Bill can really show you a professional layout — he should be able to do so — he's been an electronics engineer for many years! Bill will gladly assist you FMers with frequency and deviation checks — just give him a blast on .94.

Understand that K4BHG has been transferred from his USAF active duty assignment at Homestead AFB to an overseas station. Wonder if WB4ALH, Bill, was successful in his latest visit to FCC office, Tampa? Bill was to try for Advance grade of ticket — he made General okay on October 6, 1972 — he doesn't allow any grass to grow under his feet!

LETTER TO OUR READERS: Really need assistance in obtaining news for column from those readers located in the Greater Miami and east coast areas — also the Panhandle area! C'mon fellas!! Have not heard from Joe Picier, WB4OSM, Margate, on happenings thereabouts on VHF. Joe, you inferred in your recent letter that this column would obtain your assistance, especially on 6 MHz happenings! Please!!

FCC'S LATEST DOCUMENT: Recently, the air is chock full of discussion on changes to amateur bands — frequencies, FM repeaters, logging, additional privileges to Techs, Novices, Advanced, etc., etc. The actual details have been well taken care of in numerous amateur publications, including SKIP. Mention it herein merely to state that these discussions offer a healthy situation for useful subjects often heard on our VHF bands — and modes!! N'uff Sed!

D.X. TIPS

By Don Rhoads, W4ZBI

A2CAB, 21366 Daily, 1800Z. Qsl Direct.
CN8HD, 21367 Daily, 1600Z, Via W2GHK.
DM2AFO, 28.6 Daily, 1400Z, Qsl Direct.
EA3WS, 28.56 Daily, 1530Z, Via Bureau.
EL9A, 28.54 Tues., 130Z, Via WA6TWG.
ET3USA, 21354, Mon., Via W4NJF.
GW3XXB, 28.56, Mon., 1430Z, Qsl Direct.
HB9AMC, 21352, Wed., 1230Z, Via Bureau.
HB0XTI-m, 21362, Daily 1300Z, Via G3BID.
I5BXG, 28.58 Daily, 1300Z, Box 511, Florence, Italy.
I6NAG, 21364, Daily 1200Z, Via Bureau.
JY6UNM, 21364, Wed., 1300Z, Box 13016, Ammon, Jordan.
LA8VP, 28.56, Daily, 1300Z, Box 2095-4001, Stavanger, Norway.
MP4TDM, 28.58, Daily 1400Z, Via K1DRN.
OE9WGI, 21354, Mon. 1200Z, Via Bureau.
ON5GA, 21263, Daily 1130Z, Via Bureau.
ON8WW, 21363, Daily 1100Z, Via Bureau.
OY7JD, 21364, Daily, 1100Z, Via W3HNK.
PA0FDJ, 21361, Fri., 1130Z, Via Bureau.
RA3ACQ, 28.54, Mon., 1200Z, Via Bureau.
RA3MAH, 28.56, Daily, 1400Z, Via Bureau.
SM3COL, 28.56, Daily 1100Z, Box 12, Viksjo, Sweden.
SM5CO, 21360, Daily 1230Z, Via Bureau.
SP4CPB, 21352, Fri., 1100Z, Via Bureau.
SY3MA, 21391, Daily, 1300Z, Via SV Qsl Bureau.
UK5AMF, 21317, Daily 1130Z, Via Bureau.
XT2AC, 28.605, Daily 1400Z, Via DJ6QT.
5B4KP, 28.575, Daily 1430Z, Box 1152, Nicosia, Cyprus.
9G1YA, 21337, Daily 1400Z, Via K1DRN.

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—Colorado N-L.

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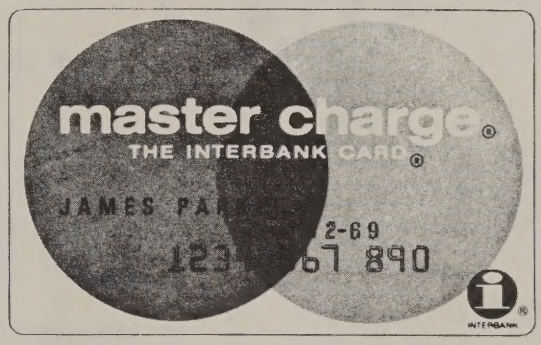

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JANUARY 20-21, 1973

TROPICAL HAMBOREE

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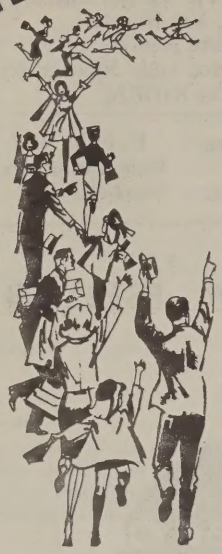

TROPICAL HAMBOREE

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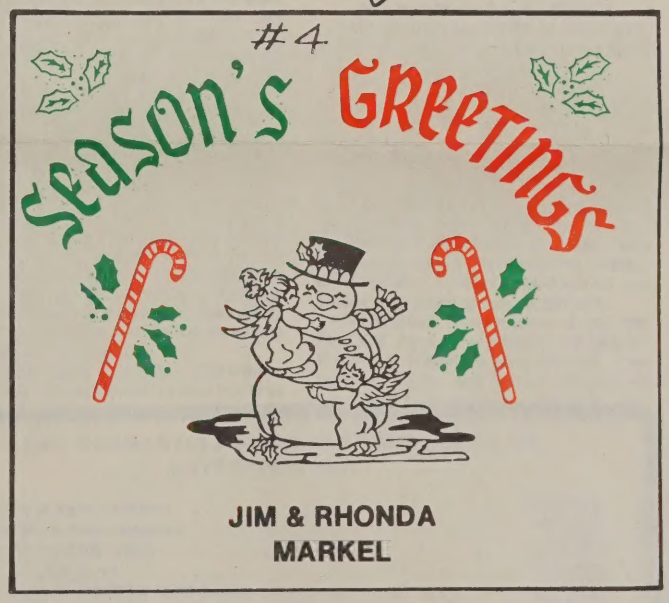

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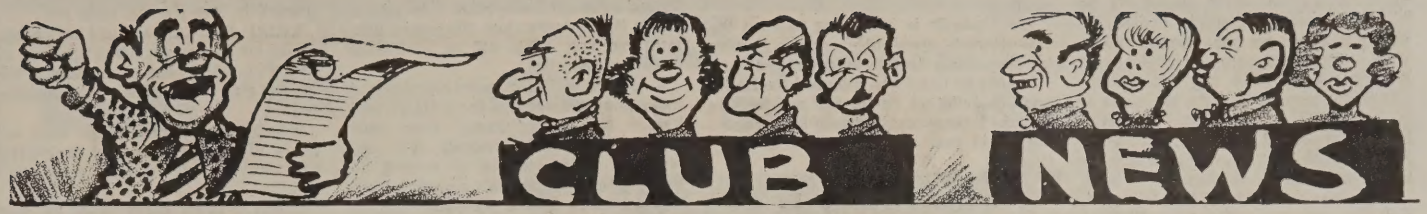

WEST PALM BEACH AMATEUR RADIO CLUB INC.

By WB4SYL and WB4TCD

Sorry about the absence of WPB news in last month's Skip. We hope to make up for it this month.

Our October movie program was a great success. It was graced with the presence of our SCM, Regis Kramer, W4ILE, and our SEC and Esteemed Editor, Andy Clark, W4IYT.

The novice classes are progressing rapidly, and several students have already passed the code exam.

WN4's TIM, TIN, and TIO have passed their General exams. Congratulations.

Mac, WB4TRJ, now has SSTV equipment, and thus becomes our second member to go video. The first, Henry Felton, WA4HXZ, is considering a Robot camera to match his monitor. His new quad is working great, too. Joe Macy, WB4UIU, also has a new antenna up.

Russell Sykes, ex-WN4QLG and son of W4BRB, has been elected State Senator.

Faithful member Twisty Ljongquist, W4DWK, has returned from the cold of W1-land.

Members Gene Sykes, W4BRB, Vic Dubois, K4SHB, and Chub Clark, WB4-TAF, will be traveling to the Cayman Islands this Thanksgiving for the CQ WW CW Contest. Operation will be with the calls ZF1GW, ZF1VD, ZF1SF, and ZF1GSS, from the appropriately named "Rum Point."

GATOR CHAPTER

By K4PI

The monthly meeting of the Gator Chapter QCWA was held at the Causeway Inn., Tampa on Saturday, October 21st. There were 65 persons present. A nominating committee to select officers for 1973 was agreed upon. Members of the nominating committee are Hal Bates, Chairman, Bill Franklin, Bob David and Frank Shannon. Bob David received his 50 year award at the annual National QCWA dinner in Washington, D.C.

There will be no separate meeting of the Gator Chapter in November, but on November 18th there will be an all-Florida Chapter meeting at the Hilton in Orlando. Barry Goldwater, President of the National QCWA Organization is expected to be present. Reservations can be made through the Secretary of your local Chapter.

SUWANNEE QCWA CHAPTER

By Carl, W4QBR

Suwannee chapter's first luncheon meeting held Oct. 28th at Horne's Motor Lodge Restaurant in Gainesville. There were 28 present, a goodly turnout for our "first." QCWA Director, Bob David gave a very fine talk to the group regarding QCWA organization and cooperation between chapters.

Present for the meeting were W4YK, W4QBR, W4KJL, W4GUJ, W4WWH, W4UKA, W4UCF, W4FYE, W4SZ, W4AWY, K4RX, W4LIN, K4ME and W1LFE-4.

Next Suwannee chapter will be held December 16th in Jacksonville. We now have 25 members at present and growing.

CITRUS CHAPTER QCWA

By Case, W4NGR

The Citrus Chapter of the QCWA had a fine meeting November 4th at Morrison's Cafeteria in Orlando. The total attendance was 45 persons which included a number of the XYLs of members.

The chapter chairman, Jack Six, W4YPA presented to the past chapter chairmen an engraved plaque with their name and call sign and an embossed gavel. Those who were honored were: Art Laplant, W4SRG; Bill Waldo, W4PI; and Bill Holdage, K4GJ. Jack then introduced the State QCWA constitution that concerned QCWA members who held novice or technician licenses. Bob brought up for thought and discussion of a National QCWA convention to be held in the Disney World area. A motion was finally made and passed that national headquarters of QCWA be informed of this attraction for a meeting in October of 1973.

Bill Symons, K4IH, was the speaker for the meeting and he told of his many years with the "Voice of America" broadcasting stations throughout Europe and America as an Engineer in charge of these mammoth and high powered transmitting and receiving sites. Imagine! Acres of antennas and arrays.

The Rev. Lyman White, K4CC, Chaplain for the Citrus Chapter gave the Invocation and Benediction upon the group so assembled.

Call in any Saturday at 10:00 a.m. local time on 7253 KHz and join in on the Citrus Chapter net or better yet each Sunday at noon time the State Wide QCWA net is in session. Same frequency. CUL es 73.

Q.C.W.A.-SUNCOAST CHAPTER

By Bill Soehl, W4GHR

With the first Wednesday of November falling on the first day of the month, we started off with 55 attending our luncheon-meeting.

W4AMJ, Frank Lester, a Charter Member of QCWA, as well as the Suncoast Chapter, gave a talk on the forming of the QCWA by a group of hams, who met regularly on 10 meters. At their first meeting there were 34 Charter Members; 20 are still alive and active; while seven of the 20 are 4th District residents. N.Y.C. was the only Chapter until 1951, when a Chapter was formed in Cleveland, Ohio. In 1960, W8KW, Art Milligan was the first Director elected from outside of N.Y.C. Art is still a Director and soon to be a Florida resident. W4YK, Bob David, QCWA Director, told our group what took place at the National meeting in Washington, D.C., where 300 attended. Sen. Barry Goldwater, K7UGA, our QCWA President presided at this meeting.

W4BGO, Ben Letson, Chairman, presented Bob and Frank each a bottle of Silver Polish, to shine up the buttons of the QCWA 25th Anniversary. W4DKJ, Art Lynch presented a 50-year Certificate to K4FLD, Les Klentz, of Englewood.

K4GP, Harry Forrest is in the Apollo Hospital, in St. Petersburg and at last report was improving.

W4CF, Fred Schnell, who is known to most of the Old Timers, celebrated his 80th birthday November 22nd, at Bradenton.

DADE RADIO CLUB

By Hank Schueler, WB4MYX

October 28th and 29th saw several members of Dade Radio Club, vix., Chuck Bolvin, K4KQ, Ed Kane, K4MAS, Dick Jones, W4BTM and Phil Steiner, WB4YYJ, carrying on at the "Showcase for 1972" at the Museum of Natural Science. What they were carrying on was an exhibition to the public of ham activities, such as assembling two Heathkit projects, the code oscillator and the new HW-7 transceiver. Ed Kane kept up a running commentary on what was going on whenever anyone stopped or showed some interest. Even some small fry were interested in the goings on. It was necessary to draw out the construction to last the two days of the showcase.

WESTERN FLORIDA NEWS

By Frank M. Butler, Jr., W4RKH

New net time for WFPN is 2330 GMT; still on 3957 KHz. Stations in the new North Fla. Section are invited to check in.

Pensacola: WN4BVO & WN4BUD are new hams. WSRE-TV, Ch. 23 educational station, featured local hams in action, plus a showing of "Ham's Wide World." Sorry to see WB9AIU-4 leave the area this month. WA4NAP-mm handles traffic from the USS Lexington. K4LAN and K0BAD-4 renewed ORS appointments. W4UC-4 and WA4ECY-4 demonstrated amateur radio at the Interstate Fair. WB4KGW, WB4B-SZ, WB4DHL, WB4ZPC and WA4JNA are among a growing group on 220 MHz.

Fort Walton: New officers of the NW Fla. FM Assn. are: W4LRC, W4MMW, W3ZVT-4, WB4PGQ and W4ZGS. The repeater license was finally returned by

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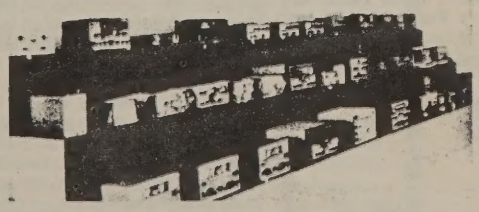

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the FCC and WB4KLT should be on shortly. WN4CBT, younger brother of WB4ZKK, just got his Novice ticket. YV3SJ is taking pilot training at Hurlburt. WA4NMG was a Silent Key this month.

Dufuniak Springs: K4VWE has a new 6-el. tri-bander. Panama City: W4GGU-4 was top W4 and 2nd in nation in FD, class 2-A. Chipley: W2QWC-4 is first ham to move into Sunny Hills development, near here.

Marianna: WA4BXJ, XYL of WB4YBO, just got her Tech. ticket. W4HPF is another Silent Key.

Tallahassee: WA4EOQ died this month; he was a former NCS and active member of WFPN.

Crawfordville: WN4ZQC earned a QFTN certificate; he just passed the General and Advanced tests!

GULF STREAM SOCIETY OF AMATEUR RADIO OPERATORS, INC.

By Bertha Farr Eggert, WA4BMC

GSARO held its first Annual Ham and Cheeseburger Auctionfest October 28th. at the Palm Beach Junior College. By all reports received it was quite a success. The Gold Coast Radio Club of West Palm Beach were also included and participated in the event.

We extend a special vote of thanks to Bob Grove, WA4PYQ, for a super auctioneering job. Several local firms had displays, including Nermi Electronics, Lafayette Radio of West Palm Beach, Dynamic Communications of Riviera Beach, and Andy Clark, who was present with a booth representing Florida Skip.

The last business meeting that we held was November 4, and plans were discussed to make next year's Ham and Cheeseburger Auctionfest a two-day affair, much bigger and better.

Discussions were also held regarding getting our repeater site moved, in the very near future, to Riviera Beach, at a height of 300 feet, with a power of just 100 watts.

The repeater is still being listened to (monitored) constantly and we invite anyone coming through the area to call in.

Thanks go to all who attended the Ham and Cheeseburger Auctionfest and helped to make it the success it was. Please come back next year and bring more of your friends.

TAMPA AMATEUR RADIO CLUB NEWS

By Frank Shannon, K5GT

Your Scribe is pecking-away at this typewriter immediately following attendance at TARC meeting tonight, Monday, November 6, 1972. We had another large attendance tonight, even somewhat larger than previous three meetings! Our Prexy Al Cito, assisted by his staff of club officers and committee memberships are injecting "new-life" into this good old club! Past President, Frank Ziegler, K4EUK, gave the first in a new series of "Questions and Answers" for upgrading FCC amateur tickets. These talks will consist of full audience participation in these FCC sample questions and correct answers — the response, tonight, was excellent. Thus, Frank noted the sincere interest and will be encouraged to continue the series. Also some of our old members are now attending meetings with these technical talks as the incentive. Yes, these Ole' Timers were conspicuous, following a long absence from TARC meetings!

The business portion of TARC meeting accomplished much — such as designating our annual Xmas Dinner-Meeting to be held on evening of Monday, December 18th, 1972 at usual location, the Causeway Inn. This, of course, subject to availability of space, etc. Marvin Bostian and John Fogarty, assisted by others will handle the details, etc. Also, Don Fischer, assisted by volunteers, such as Bill Holleyhead, Jim Bingham, W4KRC, Wayne Tope, etc., etc., will install and man the TARC booth at Tampa's Annual Hobby Show to be held in Curtis Hixon Auditorium November 10th, 11th, and 12th. (This will be past tense when you read this).

A number of TARC members received individual radiograms from Helen and Van — the "Van Pattens" from their summer QTH in Schenectady, N.Y. announcing their intention of coming to Florida, following Helen's recovery from recent serious illness. Welcome back to TARC, Helen and Van! TARC appreciates their excellent participation involved in our "Public Service" affairs such as Florida State Fair, etc., etc.!!

SARASOTA AMATEUR RADIO SOCIETY

By Cathy Soehl, W4BAV-ARNS

The S.A.R.S. members and friends enjoyed an illustrated lecture on Communication Technique, by Hack Swain. Film on "Do You Know How To Get Your Message Across?" showed a number of "bloopers" that kept all in "stitches." WB4JSZ, "Newt" Magnuson gave a resume of his trip across the Pacific.

The Code and Theory Class is being held at the Prew School, 1672 Morrill, with W4ZBU, Graham Megaw, instructing, every Thursday at 7:30 p.m.

A Nominating Committee was appointed at the Nov. 21st meeting, so that election of officers will be in December.

K4FQO, Don & Marge Laurent have a 100-lb., yellow eyed, Weimeraner (German bred) dog named "Happy," who is registered with the American Kennel Club. He has one bad habit, i.e. waking them at 4 a.m., crying to be fed; after which he happily slumbers until late in the morning.

WB4ISZ, "Newt" and WB4PXN, Nesta Magnuson returned from their freighter trip to many ports including Kobe, Japan, where he purchased an FT101. After the above mentioned monthly meeting, he and Nesta are off again for Michigan.

WA4FJO, Fred and WA4FJN, Rosalie Billman; W4GHR, Bill and W4BAV, Cathy Soehl visited the Venice Radio Club, which meets monthly, 2nd Monday, at 7:30 p.m., at the Coast Federal Bank. Everyone welcome and they promise to visit our club.

SUNCOAST ROVING REPORTER

By Cathy Soehl, W4BAV-ARNS

The St. Petersburg Amateur Radio Club had nominations of Officers at their Nov. 3rd meeting, so elections will be made at December meeting and Installation Dinner will be held at the Princess Martha Hotel in January.

Esther, XYL of W4DH, Les Pulley, is recuperating nicely at home after recent surgery. Also Dorothy, XYL of W4HFR, Elmer Huddleston, is also doing well.

W4NOK, Jack Adams received an electric lawn mower and an electric edger for his birthday. What'll you do in spare time?

K4FCN, Tony Zappia is spending most of his spare time on his 90-ft. Mako boat fishing (weather permitting).

W4TXA, "Mac" and Helen MacLean can be readily spotted when driving down the highway in their new Orange Chevrolet-Nova.

K4QM, Isaac Roach, better known as "Quiet Man," on a European trip for month of October and many worked him as ON8WK at 5:30 p.m. on 14320 KC.

K4UAP, Eric Galloway had his troubles: off the air for a while due to lightning and then XYL, Muriel had major surgery Nov. 1st, but glad to report she is recuperating nicely.

W4LIS, Sam Parker keeps busy with shows of his paintings and sculpturing. Has many one-man shows, recent one in N.C.

WB4IYA, Louis Storey joined the Silent Keys recently. Our heartfelt sympathy!

NEW CLUB FORMED

By Walt Stock, W4IIS

The first monthly dinner meeting of the (HARC) Highlands Amateur Radio Club was held at the Holiday Inn at Lake Placid, Wednesday, November 1. Twenty radio licensed amateurs attended and a good time was enjoyed by all. The door prize was won by W4KOH, Ernie.

The dinner meetings are to be a monthly affair and will be held the first Wednesday of each month at 7 p.m. All licensed radio amateurs are invited to join.

BROWARD A.R.C.

By Jim Wilson, W4GDK

Our Club is having some fine programs of interest to hams. Among them have been "Power generation and distribution including nuclear sources," "VHF FM Repeaters," "DX, where it is and how to work it," "Beam Antennas and Towers" and "Electric Safety, Proper Grounding and lightning protection."

At our October meeting the 1973 officers will be elected and will be installed at the Club's Christmas Party. It is to be on Saturday, Dec. 16 at 7 p.m. at the Beach Club Hotel. At this party it is also planned to present the annual "Amateur of the Year" award.

BARC was very well represented at a recent City of Plantation council meeting. An ordinance limiting antenna towers to 40 feet and one foot inside the lot line for each foot of height was expected to be passed. The amateurs selected to present opposition to the ordinance did a very fine job. In fact they were congratulated by the council. The ordinance was killed and the amateurs are now working with the council to draft a new one. Very, very FB!

Anyone interested in amateur radio is cordially invited to attend our meetings on the 2nd Friday of each month. We meet at the Florida Power & Light Co. building, 501 So. Andrews Ave., Ft. Lauderdale at 7:30 p.m. Park in the REAR and use the REAR ENTRANCE.

COUNTRY COUSINS

By Jack Hartley, K4WSB

Things are starting to pick up again. With the cold weather up north our old friends are migrating back south. Paul, W2PDU, is the first one to make the trip and rejoin us.

At our last board meeting, a project was finalized. At the suggestion of Ted, K4ONY, we approved a joint project that everyone can participate in. We are looking for ideas for station accessories for handicapped hams to make their operating easier. Things such as tone comparators and other tuning devices, compact antennas (tuners) or anything that may benefit someone with any type problem. The device must be simple and inexpensive to build. When all items have been submitted, a project committee (WA4ONZ, WB4DRM, K4ONY, W4MML) will chose the best five. They will be printed and given to anyone in need. Hopefully, we will get them published in some radio journal, with the donating amateur to get full credit. The schematics will be printed by K4ONY, commercially, at no cost to the Cousins.

Anyone having any ideas or can help, please get in touch with the project committee or WB4TPI (Largo) or K4WSB (Tampa). Cousins and non-cousins please

(Continued on page 12)

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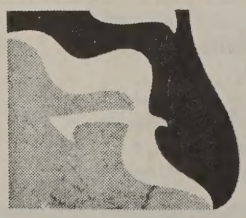
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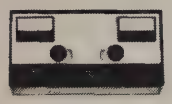

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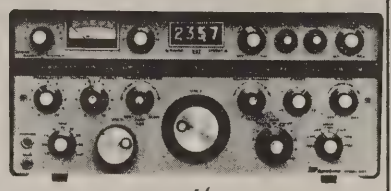

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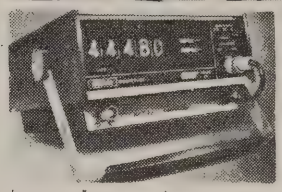

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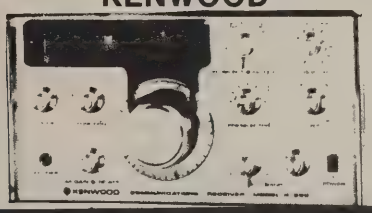

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FLORIDA AMATEUR SIDEBAND TRAFFIC NET

By Woody, K4SCL

Our October statistics show 103 stations active in the net, breaking 100 for the first time. There were a total of 705 check-ins, breaking 700 for the first time. In 29 sessions we handled a total of 243 messages, up 14.6 percent from September.

Congratulations are in order for WA4EYY and K4HGG who qualified for FAST Net Certificates during the last 3 months.

We started late sessions on October 30th, so now we meet at 2300 and 0330 Z daily except Saturday, on 3940 KHz. The late session is just one-half hour after the late QFN. The idea is for us to take all Florida traffic not delivered on late QFN so we can attempt same day delivery. If it turns out that we do not have an outlet, we try to have someone take it to an early morning or daytime net in hopes that it be delivered before another round of evening nets starts. The plan is working pretty well, but we have a scarcity of traffic. Some QFN NCS's seem to be unaware of "the plan" and reluctant to give us traffic. Our late session FAST Net members are going to lose interest if we don't do something to keep them busy.

At present, K0ECG-4 is our principle station taking traffic to the daytime nets. We could use some more help in this area.

Our Net Control Stations, at present, are: Early Session, Monday WA9JSX-4, Tuesday WA4HBD, Wednesday WB4AIK, Alt. W4GUJ, Thursday WB4JSK, Friday K4BLM, Alt. K4GDV. Late Session: Mon. K0ECG-4, Tues. WA4HBD, Wed. W4JDP, Thur. WB4HKP, Fri. WB4NJI.

TROPICAL PHONE TRAFFIC NET

By Dave, WB4WHK

The October statistics show both good and bad as far as QNI and QTC go. The total QNI was up by 80 last month, total QTC was down by 20, the average QNI went up by 2.6 percent and the average QTC was down 1.5 percent. C'mon gang . . . we gotta get these figures up as far as possible!

WB4WYX, Jack, is a recent member of the TPTN and has been handling traffic like crazy. Jack recently received his ORS and OPS certificates.

WB4WTL, Mike, is also a recent member of the TPTN. Mike is actively participating in the net and also does a bit of liaison work to the FMTN and other nets.

We had ZERO stations qualifying for TPTN certificates last month. REMEMBER, to qualify for a TPTN section net certificate, you must have your call placed on the roster, and check-in 10 times a month for 3 consecutive months. You can get your call on the roster by sending a formal radiogram to Keith, WB4SQA in Oralndo.

WB4FLW, Ted, is now working the night shift and is temporarily off the air during the afternoon hours. He says that it won't last long and he should be back very soon.

Well, with the shift from EDT to EST, the TPTN will be meeting at 2200 Z (5 p.m.) on or near 3940 KHz. Along with the time change, the seasonal change is upon us with long skip conditions existing on 75 meters with the New England nets booming in and frequently being as strong as some of the TPTN stations!

WB4OAA, John, bought a new Hy-Gain vertical at the Tampa hamfest and says it works great. John is also experimenting in some VHF and 40 meter QRP work.

GATOR NET

By George E. Cooper, W4EH

The FCC has ruled on Docket 19162 and effective Nov. 22nd the GATOR NET frequency 7115 Khz will be in the Novice portion of the band.

In a discussion with W4IYT, Andy and W4ILE, Reg, it was decided to leave the Gator Net in the Novice portion of the band and give it a try as it may turn out that it will help us and give an opportunity to prospective Novice traffic handlers.

The FCC has also ruled that it is not mandatory for Novice stations to be crystal controlled so we do not anticipate any trouble. If we do develop any problems we can then think about a change.

Our Oct. statistics show traffic up from the previous month.

FLORIDA FAA NET

By George E. Cooper, W4EH

Edith Colby, XYL of our net control Paul Colby, W4JVA was hospitalized in early Oct. and to say the least, caused much concern to each and every member of the FAA net and also all of Paul and Edith's friends. We are pleased to report Edith is home and doing well.

This lovely young lady is an asset during FAA net meetings and her fine voice sure perks up the net.

Edith and Paul are the proud parents of Robert P. Colby, Air Force "Aircraft Commander" flying the AF Jet KC135.

Paul Colby, a real old timer, first licensed in 1926 and NCS of FAA net for about five years. His list of accomplishments are too numerous to mention during his CAA-FAA 25 years of service, but certainly paved the way to our modern ARTCC communications system.

FLORIDA MIDDAY TRAFFIC NET

By Herb, W4LSR

The roster is building up, as it does each autumn. Reg, W4ILE, in Miami Springs and WB4BNH, the U. of SF Club station in Tampa are back with us. Others are Ted, WB4FLW in Ft. Lauderdale, Lloyd, WB4BGX in Lakeland, Charlie, WA4EYU in Jacksonville, Bob, W4DTV in Orlando, and Art, K4QG in St. Petersburg.

Eastern Florida Hams, including most of our Net members are doing a great job of reporting station activities to our SCM each month. The lists in QST really look good. We had the pleasure of working Clyde, W4SDR on 2 meter FM through the Orlando Repeater during his recent visit to Herb, K4EZE in Deltona. Most enjoyable Clyde. Let's do it more often.

Now that the FCC has returned 25 Khz of the 40M band to the General-Conditionals, it may be to our advantage to return to a lower frequency than 7254 Khz to get further away from ECARS and other Nets. Clyde has asked all of us to think it over; talk it over and decide if and where we wish to move. By the time this column has reached you, this should have been resolved. We hope our choice proves to be a wise one.

TOP TWENTY TRAFFIC HANDLERS

By W4ILE

1.	WA4IJH	592	11.	WB4GHD	128
2.	K4SCL	447	12.	WB4PNG	126
3.	K0BAD-4	332	13.	WB4JSK	97
4.	WA2AFL-4	322	14.	W4ILE	86
5.	K4FAC	282	15.	WA4SCK	80
6.	WB4OMG	211	16.	WB4WHK	80
7.	W4IJK	159	17.	WB4HJW	68
8.	WB4WYX	151	18.	W4NGR	67
9.	W4SDR	137	19.	K4BLM	67
10.	W8BZY-4	130	20.	K0ECG	66

TRAFFIC HOUNDS

By W4ILE

NET	QNI	AVG QNI	QTC	AVG QTC	SESSIONS
QFN	672	10.8	537	8.6	62
FAST	705	24.3	243	8.4	29
FMTN	768	29.5	212	8.1	26
GN	348	11.2	235	7.3	31
TPTN	417	16.0	186	7.1	26
FPTN	443	17.0	99	3.8	26
QFTN	215	7.0	88	2.8	31
VEN	199	6.9	33	1.1	29
WFPN	—	—	—	—	—

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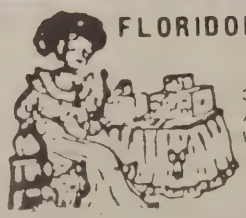

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CLUB NEWS
(Continued from page 8)

help us in our search to make our hobby more interesting and less complicated to those not so fortunate.

Since this is my last column before Christmas, I'll say now, "Merry Christmas and a very good 1973."

ORLANDO CLUB NEWS

By Herb, W4LSR

Registrations are still coming in, and a large attendance is expected at the OARC annual Dinner Party. The October OARC meeting was followed by a most interesting and informative demonstration by Dave, W4TOD, of slow scan T.V.

Hugh, WA4LHZ, looks and feels better after his prolonged illness. Hal, W4BKC, and Ev, K4UIZ, have snuggled into their new Winnebago Motor Home at Green Acres and are looking forward to retirement and the open road. Jess, W4CLJ, and his XYL got too cold up in North Carolina and hurried back to Orlando. Cliff, W4CFA, is saddened by the loss of his father. Our sympathy is extended to you, Uncle Cliff. Jim, W4PAO, trustee of our Club Station W4PLB, received our renewed license and is using the call to keep it warm.

The Central Florida Repeater meeting was very well attended. Bob, W4POZ, reported on plans for additional refinements to the audio quality of WB4EL, the Orlando Repeater. Reports of continuing Public Service included communications furnished to the Audubon Society to locate an escaped eagle with a length of chain attached to his leg. He was sighted north of Daytona. Communication was also furnished to the United Appeal on two occasions. We have been asked by the Orlando J.C.'s to repeat our performance in the Orlando annual downtown Christmas parade on a more elaborate scale than last year.

Three Mobiles triangulated a stuck carrier on 146. 16 MHz caused by someone un-intentionally leaving a mobile transmitter turned on, and its mike resting on the button and keying the rig. While this operation demonstrated the efficiency of our trouble shooters, it also indicates the adviseability of connecting mobile gear to the accessory side of the ignition switch.

HARS NEWS

By Bob Williams, WB4IQH

HARS has been very fortunate, lately, in being able to announce at least one new member each month. This month is no exception. Our new addition is Donna Hickey, WN4BFC of Tampa. She is our only current female member and is presently a nominee for the post of Secretary on this year's slate of prospective officers.

Our uncontested President, this year, will be Gil Lucas, WN4SZJ, who received a round of applause from the membership for a job well done as Chairman of the Tampa Hamfest. Fil's avid interest in Ham Radio, as well as a desire to help our club grow, should make him a much needed asset as we approach our new year.

At the time of this writing, one of our senior members, Ray Jicka, WA4AXD, is in guarded condition at Saint Joseph's Hospital. Even though Ray has been in ill health for some time, he helped us for several hours during the Hamfest ticket sales. Wish we had more team spirit in the ranks. From all of us in HARS, we wish Ray the best of luck for a speedy recovery so he can get back to work on his General Class ticket.

We were pleasantly surprised to hear from a Charter Member of HARS, Jim Apsey, W8JBP (ex K4YOQ) of Sylvania, Ohio. Jim is currently the editor of Ham Shack Gossip, an Amateur Radio publication in the Toledo area. He has requested exchanging bulletins and, even though ours can't equal the quality or quantity of the Ohio offering, we are most proud to add his name to our mailing list.

DELTONA HAM NEWS

By Jack Six, W4YPA

Deltona CD net doing fine and stations are checking in regularly. Pete Wiltshire, W4VLX, has a new two call now, K4TV.

The Citrus Chapter Lunch at Tavares with about 65 in attendance. Good food and meeting. Congratulations and thanks to W4FIQ.

Sunday Telethon for Orlando TV station, Herb Smith, Al Canning, K4EZZ and WB4HAK of Deltona and DeBary, respectively, relayed the donation reports. K4EZE, K4IH, W9SP-4 and YPA attended the Lake County Radio Club Feb. 17th. Fine Club and meeting. Thanks fellows for the FB welcome.

W4YPA XYL was awarded the Dear Mable Award for her many years of carrying food to the OM while operating on nets. Real TLC and never a complaint.

Bad news was received today. W4CNN, Joe Webb of Centerville, Alabama, formerly of Arlington, Va. and NCS for the Old Goats net on 7210 Khz daily, passed away 9 A.M. Feb. 21st after quite a spell of illness. We will all miss Joe and his cheerful voice.

DADE COUNTY AMATEUR RADIO PUBLIC SERVICE CORPS

By George J. Nehiley, WB4ONR

Another club year has drawn to a close and the members have been engaged in activities of all kinds. Many of us made the trip to Tampa for the Hamfest and then dashed up to Lake Worth for the Ham-CB event, where we set up a station and handled some traffic.

November finds us taking a breather and getting elections of club officers on the agenda. Our membership stands at 52 and the Treasury is the healthiest ever. Our publication SOLID STATE received a 3rd place in Editorials from ARNS, which was a pleasant surprise to all.

On December 2, we plan to set up a station at the Carol City Shopping Center as a Public Service event. Since 13 members showed up for the last one, our expectations are high again. On December 9, the club will have a dinner at Rocky Graziano's. This is a first and we hope it takes hold.

EX-CALLS

Here is another batch of EX-CALLS. Have you sent in yours?

WA4PDM ex WB2DHO, WA5RAN.
K4HZQ ex K3OJU.
K4HIG ex K0PMV.
W4BDM ex W8BDM.
W4VLK ex KH6BEC, K4EGD, JA2BZ, W6YQL.
K4GQP ex W0NWB.
W4TKY ex W2MFJ.
K4FLO ex W2ZLI, 2BEN.
WB4RGQ ex WN4RGQ.
W4DDW ex W3DDW.
K4HXB ex K2ZIK.
K4HHR ex W9WPE.
WN4SDP ex CO2MC, W4JMK.
W4ICF ex W9MRC.
K4HUZ ex W8SNC, DL4ID, DL4USA.

FCC INFO

RULES AMENDED TO PERMIT CERTAIN ALIENS TO OPERATE AMATEUR RADIO STATIONS; NEW APPLICATION FORM ADOPTED. Parts 0, 1 and 97 of the Rules have been amended by the Commission to implement the provisions of Public Law 92-81.

The law, effective August 10, 1971, amends Sections 303 (1) and 310 (a) of the Communications Act and permits aliens, who are permanent residents of the United States, and who have filed a Declaration of Intention to become citizens, to apply for amateur radio licenses and to qualify by completing an examination. In the same action, the Commission adopted a new application form FCC Form 610-C "Application of a Permanent Resident Alien to Obtain a United States Amateur Radio License," to be used by qualified alien applicants.

(Via Dorsey Jordan)

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(No change on 28 MHz phone bands)

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14000 - 14025 KHz 21000 - 21025 KHz

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21100 - 21200 KHz 28100 - 28200 KHz

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NOTE 2 - Crystal control will no longer be required of novice stations.

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CD Center Basement
Service to the public is our constant concern.

TAMPA AMATEUR RADIO CLUB, INC. W4DUG
Meetings: 1st & 3rd Mondays
7:30 p.m.
Club House: Davis Islands,
Columbia & Barbados
Mailing Address: 943 Cimmeron Ave.,
Tampa, Fla. 33603

WEST PALM BEACH AMATEUR RADIO CLUB, INC. W4HAW
P.O. Box 6834
Southboro Station
West Palm Beach, Florida 33405
Meetings: First Wednesday of each month — 7:30 P.M.
823 Newark Street
West Palm Beach, Florida 33401
Information: Call 686-4766 or 622-4728

JACKSONVILLE AMATEUR RADIO SOCIETY, Club Call W4DU
Meets 1st Monday of Month, 7:30 p.m.
State Civil Defense,
6917 Beach Blvd.
Mail to: Geo. Werner, W4ORT,
1045 Le Brun Dr.,
Jax., FL 32205

FORT MYERS AMATEUR RADIO CLUB
Meets 1st Wednesday of month at 7:30 p.m.
First Federal Savings & Loan Assn.
Pondella Road (SR-78-A)
North Fort Myers
Sec.: 641 Polk St.
Ft. Myers, Fla. 33901

NORTH FLORIDA AMATEUR RADIO SOCIETY W4IZ
2nd Thursday, 7:30 P.M.
Duval CD Headquarters
107 Market Street
Jacksonville, Fla. 32202

TAMPA BAY REPEATER ASSOCIATION
WB4HAE
Meets second Tuesday each month at 1930
WTVT STUDIOS
3213 W. Kennedy Blvd.
Tampa, Florida
Mail to P.O. Box 2812,
Tampa, Florida 33601
Phone: Tampa 988-8546

CLEARWATER AMATEUR RADIO SOCIETY
Meets 2nd and 4th Tuesdays at 7 p.m.
at Florida Power Linemen's Hall,
2166 Palmetto St., Clearwater.
Pres. Norman Mesker, K4HRV.
Visitors warmly welcomed.

Greeting to a man who had just arrived at the Pearly Gates: "How did you get here?" "FLU".

SOUTH MIAMI RADIO CLUB K4JVA
Meets 1st Friday of the month.
National Hurricane Center
Room 402
Univ. of Miami Main Campus
For more info. Call 443-4302.

HOLLYWOOD AMATEUR RADIO CLUB.
3rd Monday of month at 8 p.m.
Science Lab, Chaminade High School
51st Ave. and Johnson St., Hollywood
Mailing Address: P.O. Box 6306,
Hollywood, Fla. 33021 WB4TON
Visitors always welcome.

Sociedad Internacional de Radio Aficionados, Inc. (SIRA) Reuniones el 3er Domingo de cada mes, a las 11:00 A.M. En los estudios de la WFAB, 1779 W. Flagler St. Ciudad de Miami. Direccion Postal P.O. Box 71, Miami, Fla. 33148.

SOCIETY OF WIRELES PIONEERS
CW NETS

FLA.-HURRICANE	1430Z MON.	7030	K4PI
TRANSCON	1500Z THU.	14125	W6HLD
YANKEE	1400Z MON.	3670	W2ZI
EASTERN	1500Z SAT.	7100	W2GW

INFO & MAIL K4PI or write SOWP P.O. Box 530, Santa Rosa, CA. 95402.

SARASOTA AMATEUR RADIO ASSN. INC.
Meets 3rd Tuesday of each month
8 p.m.
At Sarasota Federal (S. Gate Branch)
Club Call W4IE in memory of Charlie Service.

When friends got word that Betty, a beautiful young starlet, had married Larry, an elderly gentleman worth ten million dollars, they all sent her Get WILL cards.

HAMBAR

HAMBAR services of radio equipment ONLY will be available to all our subscribers, amateurs or non-amateurs, at a rate of 50 cents for 35 words, and 5 cents a word thereafter. NO AD WILL BE PRINTED UNLESS ACCOMPANIED BY FULL REMITTANCE! Rerun ads must be resubmitted each month, no $1.00 for two insertions, etc. No Hambar accepted via telephone.

Non-subscribers rate is $1.00 for 35 words and 5 cents each additional word.

To Commercial Business: Classified, undisplayed — 50 cents per line. Illustrative or General Display with border — $3.50 minimum, $70 page, including lay-out.

Deadline 10th of month for all ads.

FLORIDA SKIP, INC., Advertising Department, P. O. Box 501, Miami Springs. FL, 33166.

RADIO CLASSES FOR NOVICE AND GENERAL. Every Friday at 7:30 P.M. QTH of Dick Jones, W4BTM, 821 NW 7th Street Road, Miami. Telephone 374-8557. Sponsored by Dade Radio Club.

FOR SALE: Gertsch FM-6 frequency meter 20-1000 MHz .0001 percent. Excellent condition. Recently factory calibrated. $750.00. Harold Smith, W4PQW, 615 South Palafox St., Pensacola, FL 32501.

WANTED: Small crank-up or tilt-over tower. Must be in Orlando area. G. Samkofsky, K4HRU, 4803 Brenda Dr., Dover Estates, Orlando, FL 32806.

FOR SALE: SWAN CYGNET-270 with a.c. and d.c. supplies, built in with push to talk mike — clean. Joe Michaels, W4DDV, 125 Isle of Venice, Ft. Lauderdale, FL 33301. Phone 305-523-3768.

FOR SALE: FT-101 YAESU Xcvr., Two week delivery. Call "Pete," WB4TSX in Ft. Lauderdale, FL 33308. Phone 305-771-7442.

(Continued on page 15)

SIX METER HQs

Regency

HR-6

NOW IN STOCK

25W. 52-54 MHz

.35 uv for 20 db quieting

12 Channel, Split Transmit-Receive

$239.00

BRANDON ELECTRONICS

DIVISION OF ALPHATRONICS, INC.

Complete Two-Way Communication Service

528A East Brandon Blvd., P.O. Box 1368, Brandon, Florida 33511

Phone: 689-1387 — Sales and Service

SEE SLEP ELECTRONICS FOR THE BEST IN AMATEUR RADIO EQUIPMENT

NOW SHIPPING NEW BOXED 1973 MODELS

Drake

R-4B Receiver SSB, AM, CW, RTTY	$475.00
2C Receiver SSB, HF, AM, CW, RTTY	255.00
SPR-4 Receiver, Solid State Programmable, All Bands	579.00
SW-4A Shortwave AM and SSB Receiver	335.00
2-NT HF Transmitter CW	175.00
T4XB SSB, AM, CW, Transmitter	495.00
TR-4C 80-10 MTR Transceiver SSB, AM, CW, A New Model	599.95
AC-4 110 220V Power Supply for T4XB, TR-4, TR-6, TR-3	99.95
DC-4 12VDC for TR-3, TR-4, TR-6	125.00
ML-2F Marker Luxury 2 Meter FM AC DC Supply Built-In, 3 Channel Crystals Supplied	299.95
TR-22 2 Meter FM Transceiver, Nicads, 3 Channels Supplied, Case with 12 VDC and 120 VAC Cords	199.95
TV-4 Remote VFO for TR-4	110.00
MMK-3 Mobile Mount TR-4, TR-6	6.95
34-PNB Plug-In Noise Blanker for TR-4 Above S N 31320	100.00
FF-1 Crystal Control for TR-4	46.95
MMK-22 Mobile Dash Desk Mount for TR-22	9.95
L-4B Linear Amplifier with Power Supply, Pair 3-500Z 2000PEP	825.00
MS-4 Matching Speaker for R-4B, SPR-4, SW-4A, TR-4, TR-6	22.00
MN-2000 Antenna Matching Network for Coaxial Feedlines, 1000 Watts Continuous with Wattmeter	195.00
W-4 RF Wattmeter 1.8 thru 54MHZ	61.95
WV-4 Wattmeter 20 thru 200MHZ	73.50
C-4 Station Control Console for R-4 and T-4X Series. Everything in on Box Includes Clock, Wattmeter, Phone Patch, Rotor Control, Station Timer, Remote Antenna Band-Switch, plus many other features	305.00
SC-6 Receiving Converter 6 Meters, use with R-4 Series Receivers	71.00
CPS-1 Power Supply for SC-6	19.75
TC-6 Transmitter Converter 6 Meters, Use with T-4X Series Transmitter 110V 60 Cycles	278.00
TV-1000-LP 1000 Watts Continuous to 30MHZ, 100 Watts Continuous on 6 Meters, TVI Low Pass Filter	18.75

Regency

HR-2A 2 Meter FM Transceiver, 6 Transmit, 12 Receive Channels, 15 Watts Output, 13.8VDC with Mike, Connector, Mount, One Pair Crystals 146.94 Solid State	229.00
HR-212 2 Meter FM Transceiver with Double Dial & Mode Switch 20 Watts Output, 13.8VDC, Mike, Mount, Connector, One Pair Crystals 146.94, Solid State	259.00
HR-2MS 2 Meter FM Mobile Transcanner 6 Transmitter and 8 Receive Channels with Full Scanner-Receive Features 15 Watts, 13.8VDC, Mike, Mount, Connector, One Pair Crystals 146.94 Solid State	319.00
AR-2 2 Meter Mobile 50 Watt Solid State Amplifier, Goes Well With all Regency HR Series Transceivers	119.00
P-107 AC Power Supply Converts 117V AC to 13.8VDC Fully Regulated for HR-2, HR-2A	39.95
P-109 AC Power Supply for HR-212, HR-2MS	44.95
HR-6 6 Meter FM Transceiver, 12 Transmit and 12 Receive Channels, 25 Watts Output 13.8VDC with Mike, Connector, Mount, 1 Pair Crystals 52.525MHZ, Solid State, Join the Fun on 6 Meter FM	239.00
P-110 AC Power Supply for HR-6	49.95

SBE

SB-36 Transceiver 80-10 Meters Digital Frequency Counter Read-Out, Built-In Vox, Audio Sidetone for CW Monitoring or SSB Tune-Up, Noise Blanker, Adjustable ALC with Meter Monitoring, plus many features found only in $2,000 Transceivers, SSB 500 Watts Pep, CW 400 Watts Complete with 115VAC Power Supply Speaker	895.00

Mosley

DI-2 Diplomat, Vertical Ground-Plane, 2 MTR 1KW	13.35
DI-6 Diplomat, Vertical Ground-Plane 6 MTR 1KW	25.40
CL-33 Classic Beam, 3EL, 10, 15, & 20 MTR 1KW	153.75
CL-36 Classic Beam 6EL, 10, 15, & 20 MTR 1KW	188.00
TA-31 Rotary Dipole, 10, 15, & 20 MTR 1KW, Ideal for Apartment or Mobile Home Owners with Space Problem	38.85
MPK-3 Conversion Kit, Converts TA-33JR to MP-33	34.00
625-C Wall Thru with Coax Outlet	4.45

Write For Other Mosley Products

Cushcraft

AR-2 FM Ringo 2 MTR, 3.75DB	12.50
AR-6 FM Ringo 6MTR, 3.75DB	18.50
AFM-4D 4 Pole 2MTR, 9DB	42.50
A147-11 Yagi 11EL, 13.2DB, 2MTR	17.95
A147-22 Power Pack Yagi 16DB Gain 2MTR	49.50
A144-4 4EL Yagi, 2MTR, 9DB	9.95
A147-20T FM Twist, 2MTR 12.4DB	39.50

Write For Other Cushcraft Antennas

Hy-Gain

14AVQ WB Vertical 40 thru 10MTR	47.95
18AVT WB Vertical 80 thru 10MTR	69.95
18HT Hy-Tower 80 thru 10MTR	199.95
GPG-6 Colinear Gain Ground Plane, 6MTR	32.95
Model 64B, 3EL 6MTR Beam, 12.7DB 1KW	26.50
BN-86 Balun 3 to 30MHZ	14.95
Model 400 Roto-Brake Beam Rotator	189.95
TH6DXX Super Thunderbird Beam, 6EL, 10, 15, 20MTR, 8.7DB Forward Gain 25DB F B	179.95
TH3MK3 3EL Thunderbird 10, 15, 20MTR 8DB Forward Gain 25DB F B	144.95

Write For Other Hy-Gain Products

Tempo

Tempo One SSB Transceiver, All Band	319.00
AC One AC Power Supply	99.00
DC 1A Power Supply	110.00
FMP FM Portable Transceiver 2 Meter 3 Watt, DC with Battery Pack, 8 Channel with 146.94 Supplied	225.00
AC Power Supply for FMP	34.95
502 VHF Amplifier 5-15 IN 35-55 Watts Out	99.00
502 VHF Amplifier 1-2.5 IN 45-50 Watts Out	125.00

Kenwood

R-599 Solid State Receiver	349.00
S-599 Speaker	18.00
T-599 Transmitter, SSB, AM, CW 115V 60HZ	395.00
TS-511S SSB Transceiver, All Band 500 Watts PEP, 300 Watts CW	415.00
PS-511S AC Power Supply W Spkr.	105.00

Mini-Products

B-24 Miniaturized 6, 10, 15 and 20 MTR Beam, 2EL, Boom 60", Elements 11 Ft. 1400 Watts PEP, Forward Gain 3.6DB, F B 8DB	62.95
B-24+RK3 Third Element 10, 15, 20MTR Additional 3DB	94.95
B-4010 40 and 10 Meter Miniature Beam	84.50
C-4 Coaxial Vertical 4 Band 6, 10, 15 and 20 Meters	36.95
HQ-1 4 Band Hybrid Beam Antenna Boom 60", Element Length 11 Ft. Forward Gain 5.6DB, F B 12DB 1200 Watts PEP	79.95
Eimac New Factory Boxed 4-400A $52.00; 4-400C $60.00; 4-1000A $135.00; 3-400Z $37.00; 3-500Z $37.00; 3-1000Z $88.00; Also Other Eimac Tubes Sockets, Chimens—Write	
New Boxed 572B Tubes	16.50

NOW IN OUR 17TH YEAR SERVING HAMS WORLDWIDE. WE SPECIALIZE IN MAIL AND EXPORT ORDERS.
C.O.D.'s OK WITH 10% DOWN OR MASTER CHARGE CREDIT. WE SERVICE WHAT WE SELL.
ALL ORDERS EXPERTLY HANDLED TO ASSURE SAFE ARRIVAL.
ALL EQUIPMENT IN FACTORY SEALED CARTONS.

SLEP ELECTRONICS COMPANY

2412 HIGHWAY 301 / ELLENTON, FLORIDA 33532

WRITE OR PHONE (813) 722-1843 – HOURS: 8:30 to 5:30 MONDAY THRU FRIDAY

(Continued from page 13)

STOLEN GEAR. Someone broke into my car while I was at work on 10-13-72 and removed my Drake TR-22 Ser. No. 410912, Dycom 500ES super brick FM Amp. Ser. No. ES093. Anyone seeing this gear please notify me, Bill Schmidt, WB4MWQ, 5613-B. Wesconnett, Jacksonville, FL 32210.

FOR SALE: Stoner Communications Co. Model SSB-100, 4 channel xtal control - 100 watt PEP, SSB-AM-CW range 2-30 MHz. Solid state except finals. Requires 12 v.d.c. at 10 amps. $150.00. Ideal rig for MARS. Will ship. John F. Limbach, WB4VUP, Box 462, Shalimar, FL 32579. Phone 904-651-0191.

WANTED: Instruction manual for EICO 753, with solid state VFO, for purchase or borrow to copy. J. P. Graham, W4FDA, 7305 May Apple Rd., Jacksonville, FL 32211.

FOR SALE: SBE-34, SB2LA linear SB2C CW adapter SB mike, Hustler ant. bumper mount, Spring 20-40 resonators, guaranteed excellent shape working condition bands covered. $400.00 for all. Will consider swap towards FT-101, Kenwood transcvr. Robert Locke, WB4LUE, 10177 - 106th Terr. N., Largo, FL 33540.

WANTED: 40 foot E-Z Way crank-up tilt over tower with ground post and rotor head. Also Hy-Quad or Mosley quad antenna and TR-44 rotor. Prefer local deal or within 50 miles. Donald Lindsay, K4HNZ, 1808 Hunt Lane, Clearwater, FL 33516. Phone 813-536-3497.

FOR SALE: Kleinschmidt Teletype TT-4 page printer with manual $40.00. TT-76 typing reperf with TD. Will throw in 4 cases of tape, spare ribbons and manual $55.00. J. F. Limbach, WB4VUP, Box 462, Shalimar, FL 32579. Phone 904-651-0191.

WANTED: Instruction, assembly manual for Knight T-60 transmitter. Will copy yours and return same day. D. W. Trewin, W4GUU, 3376 - 21st Place S.W., Largo, FL 33540.

HALF PRICE: Florida Skip has a limited number of 1973 SE Div. ARRL Convention and 13th Annual TROPICAL HAMBOREE tickets to be sold at half price ($1.00). Send for yours now. Please include a self addressed stamped envelope plus $1.00 for each ticket you desire. DO IT NOW before they are all gone. FLORIDA SKIP, P.O. Box 501, Miami Springs, FL 33166.

FOR SALE: Updated CX-7 SIGNAL ONE $900.00. Have two. Write or call for more details. Dave Stocky, K4KE, 4925 Queen St. N., St. Petersburg, FL 33714.

FOR SALE: Clegg model 25 FM transceiver (22er) — 30 watts out. Tunable receiver 145.9 to 148.2. Nine transmit xtal position. Absolutely MINT, less than 6 hours. Original carton and manual. Sold at $385.00 will take $265.00. Will include mike and 5 transmit xtals. Will ship your expense and risk. Also Clegg 22er AM, 18 watts input. Very clean and perfect every way. Xtal socket on panel front. Tunes entire 2 meter band and receives FM also. Advertised Ham mags at used $149.00, will take $100.00. Manual. Will ship your expense and risk. Both above Xcvrs have 120 a.c. and 12 v.d.c. supplies and speakers. Norman Rosedale, WB4HZE, Box 128, Anna Maria, FL 33501. Phone 813-778-1410.

FOR SALE: Hy-Gain TH-3 MK-3 beam antenna for 10-15-20. Very good condition. You pick up. Will demonstrate. $55.00. Edward Mayhew, W4ZYX, 2642 SE Lakeview Dr., Sebring, FL 33870. Phone 385-4548.

FOR SALE: Drake TR-4, RV-4, MN-4 with a.c. and d.c. power supplies, all plugs and cables and all manuals, mint. Package $625.00. Optional, Astatic 10-D mike with G stand, Hustler 20 meter antenna with coil, 14 AVQ antenna with manual, real good $45.00. Tony Bernard, W4BRZ, 5633 Baywood Terr., Jacksonville, FL 32211. Phone 904-744-4154.

FOR SALE: National NCX-3 transceiver with NCXA a.c. supply. Both in good operating condition $150.00. Clyde Mashburn, W4SDR, 25 S. Halifax Ave., Daytona Beach, FL 32018. Phone 252-2906.

WANTED: COLLINS KWS-1. Condition is unimportant if price is right and rig has not been cannibalized. Please give serial, condition and price in reply. Bill Thomas, W4CG, Rt. 2, Box 97, Tuskegee, Ala. 36083.

NOVICES: Ranger I with built-in stable VFO, rebuilt; face lifted $75.00. SX-140 ham band receiver, aligned, extra clean $50.00. DX-40 Heath, Clean $40.00. DX-20 Heath, works FB $25.00. All this gear air ready and works like new. Will ship by bus, you pay shipping. Bob Borum, WB4YHK, P.O. Box 894, High Springs, FL 32643. Phone 904-454-2313 or 454-2906.

FOR SALE: SX-101A receiver, excellent $125.00. Heathkit 5 inch oscilloscope $50.00. Simpson 260 in roll front case $25.00. Heathkit Tunnel Dipper $15.00. W. Heston, W4EKS, 274 Tropic Dr., Lauderdale-by-the-Sea, FL 33308. Phone 305-565-1515.

FOR SALE: Ham-M rotor $65.00, Mosley TTA-33 Sr. beam $45.00, 40 foot Rohn tower $45.00. Package deal $140.00. Leo Nielsen, WA4SQM, 1470 Peachtree St., Jacksonville, FL 32207. Phone 737-8372.

WANTED: Manual or schematic for GRP-90 general coverage receiver. Centeral Electric signal tracer. Write costs of manual or loan arrangements. Walter Glen Doring, K4RCP, P.O. Box 121, Bowling Green, FL 33834.

FOR SALE: Clegg FM-27A only few weeks old. Guaranteed new condition in warranty $350.00. Heavy duty commercial grade a.c. supply FB with the Clegg, $40.00. HT-200 Motorola handi-talkie, nicad battery, charger, telescoping and helicoil antenna 94-94 and 16-76 xtals $200.00 with manual. Mosley TA-31 Jr. Tribander and AR-22 rotor and control $50.00. L. G. White, K4ASY., 2641 NE 27th St., Ft. Lauderdale, FL. Phone 305-564-5982.

BEFORE YOU buy a FT-101, call me for best deal. Pete Frangale, WB4TSX, 1720 NE 55th St., Ft. Lauderdale, FL. 33308. Phone 305-771-7442.

FOR SALE: SB-401 transmitter, SB-303 receiver with a.m. crystal filter, cantenna, ham desk, mike and Protax antenna switch, entire outfit assembled in July this year $650.00 complete. Ken Watson, 6224 Mercer Circle West, Jacksonville, FL 32217. Phone 904-737-5546.

FOR SALE: Like new Galaxy GT-550 with a.c. supply and 25 kc cal. $375.00 which includes shipping. Certified check only. R. Billings, WB4PXW, 555 - 14th Ave. South, Naples, FL 33940.

FOR SALE: NEW CLEGG FM27A, 2 meter FM transceiver, box unopened. Telequipment D-51 dual trace 10 MHz oscilloscope $225.00. Mint Drake 2-B receiver $150.00. Clean Collins 75A3 with all filters $250.00. Larry Young, K4LXV, 1898 SW 42nd Ave., Ft. Lauderdale, FL 33314. Phone 305-584-7068.

FOR SALE: Jackson instruments model 658A tube tester, original value $295.00. Mint condition $150.00. Will test all latest tubes. Frank Haas, WB4HKP, 12215 W. Dixie Hwy., North Miami, FL 33161. Phone 305-893-4019.

FOR SALE: Hallicrafters SR-2000 including power supply on air daily $750.00. Paul. J. Gallant, W4EOJ, 4411 North Federal Hwy., Pompano Beach, FL 33064.

WANTED: Headband for Baldwin "C" Phones. Joe Fraham, W4UCL, 3633 SW 23rd Ct., Ft. Lauderdale, FL 33312.

FOR SALE: HEATH DX-60, HR-10 with xtal cal. and HG-10, all for only $110.00. Includes all manuals. All work but all could stand some minor repair. Guaranteed. Try for 2 weeks, if not satisfied just return and I will give full refund. (lose only shipping charges.) Brent Willians, WB4SPA, 12959 - 114th Ave. North, Largo, FL 33540. Phone 813-595-4340.

FOR SALE: DRAKE TR-3, RV-3, a.c. and d.c. power supplies, Hustler antenna whip, three resonators and mount. All $450.00. Art Wedde, W4BNM, 3631 - 81st St. North, St. Petersburg, FL 33710. Phone 813-343-6984.

FOR SALE: QSTs and CQs 5 cents each — you haul away. Need the space. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166.

FOR SALE: RECEIVERS NC-300 $200.00. SX-117 $150.00 S-108 $75.00. Gonset G66B $25.00. PMR7 - as is $15.00. **TRANSMITTERS:** Ameco 6-2 with VFO, like new $100.00. Ameco 6 meter converter with supply, new $25.00. Tecraft converter 144, new, $25.00. Tapetone X-50 MHz new $25.00. G-77A with everything $75.00. Elmac AF-67 $25.00. Multi power supply $25.00. BC-221-T very good $25.00. HA-6 Transverter with supply $100.00. Lafayette HA460, like new $50.00. 2 meter transverter HB very nice with supply $35.00. Lots of gear. Come and see or call. QST, CQ all kinds of select junque. Moving, must sell. Russ Olmsted, K4UJZ, 1548 NW 14th Ave., Ft. Lauderdale, FL 33311. Phone 305-763-7232.

FOR SALE: COMPLETE STATION. HT-37 transmitter, SX-101A, Linear with Pair 813's. CEAP analyzer, GPP Hybard phone patch, 4000 volt power supply, RME preselector, 35 foot tower, Mosley 3 element 20 meter beam, 40 meter vertical, prop pitch motor, antenna dir. indicator, superior tube tester, RCA 38 VTVM, Antenna switch, Turner mike, Astatic Dyn. mike, extra 813's etc. 6 foot rack, c.w. Bud code Master, 2 extra speakers. This complete station 2, KW, SSB with plenty of extras, always a terrific signal. A gift for only $700.00. Eddy Vernier, W4HTH, 6935 - 9th Ave. North, St. Petersburg, FL 33710. Phone 341-4371.

FOR SALE: Heathkit HG-10 VFO and HW-16 $65.00 firm. Dan Laxson, W4DL, 231 W. 41st St., Hialeah, FL 33012. Phone 305-822-2649.

FOR SALE: AMECO TX-62, Dow Key Relay, Laf. 6&2 VFO, Laf. 6 meter conv. Tecraft 2 meter conv. Turner model J-254C, mike, plus crystals $75.00 or make offer. Al Sack, WA4LGE, 2400 W. Broward Blvd., Lot 302, Ft. Lauderdale, FL 33312. Phone 305-581-0539.

FOR SALE: SWAN Cygnet 270B, like new $350.00. Firm. No Ship. You pick up. Clara B. Stables, WB4NXR, 236 Costello, West Palm Beach, FL 33405. Phone 305-582-2337.

TELETYPEWRITERS, parts, supplies tools, manuals, gears, motors, paper tape, ribbons, tape winders. SASE for list TYPETRONICS, Box 8873, Ft. Lauderdale, FL 33310. W4NYF. Buy all parts, late machines.

FOR SALE: Bud Codemaster practice oscillator with 5 inch speaker, tone and column control, 110 v.a.c. Good for large groups or earphone. $10.00. Army type J-37 hand key with cord $3.50. Lightweight TEXEX 500 ohm phones with standard plug. $4.95. 6 meter bean, 5 elements $3.00 (pick-up only). All other items plus postage. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166.

FOR SALE: PARTS for KW linear amp. using pair 813 tubes, including power supply. $25.00. All band 10-80 meter mobile antenna with pumper mount $20.00. Pair 805 tubes and sockets $8.00. Jack Marino, 320 Long Island Ave., Ft. Lauderdale, FL 33312.

"WHISPER" FANS by Rotron. Brand NEW!! This is the quiet one that pays for itself in extended tube life. Ideal for use on top of exciters, linears, TVs and anything else that gets hot. Only $10.00 including tax and shipping to anywhere in the USA. NURMI ELECTRONIC SUPPLY, 1727 Donna Road, West Palm Beach, FL 33401.

TRANSFORMERS REWOUND: Jess Price, W4CLJ, 507 Raehn St., Orlando, FL 32806. Phone 305-425-7251.

FOR SALE: GR821A bridge, manuals, and cables, complete in excellent condition. $125.00. Handbook 6DQ6 novice rig and power supply, well built $35.00. 4-1000A $25.00. Dave Sublette, K4BHG, 300 W. Amherst Ave., Melbourne, FL 32901. Phone 305-727-7282.

FOR SALE: NCX-500 transceiver with a.c. and d.c. supplies. Top condition. Complete rig. C.W. minus mike. First $300.00. Offers considered. Fulton Pace, WB4ORR, 109 Trio Ct., Holly Hill, FL. Phone 904-255-3984.

FOR SALE: GE Progline xcvr 12 v.d.c. 50 watt, 2 freq.Nowon .94 with cables control head and mike, good condition $110.00 A.C. supply for xcvr $25.00 or 4 freq. strip add $30.00. Progline T power mobile phone GE-25 watt with case and cables on about 150 MHz $35.00 or trade on solid state rig or Dycom. D. A. McClellan, WB4DPD, 109 N. Oakland, Leesburg, FL 32748. Phone 904-787-4649.

WANTED: COLLINS 32S1, trade or sell Valient with SB-10 combo. Trade, mint Collins 75S3 for an SB-101, 102 or SWAN 500C. Jim Lalin, K4ZDZ, 1700 Palm Ave., Winter Park, FL 32789. Phone 305-647-7894.

LAB. GRADE TEST EQUIPMENT FOR SALE. Yew Model QM 102 A "Q" Meter 50 kc to 50 mc. with full set of inductors. (14) Very similar to Boonton Meter. $200.00. Signal Gen. Maguro Model 225A. 8 frequency ranges 50 kc to 30 mc. 400 and 1000 cycle internal modulation. Full set of out put hdw. Attenuation in 1db steps. $250.00. Megohm Meter, Toa Model SM5. 5 ranges can measure up to 2,000,000 Megs. $125.00. General Radio Precision variable air standard, Type 1422MD. Dual range, 105 and 1050 pf. Reverse calibrated. Reads Capacitance removed for very accurate capacitance measurement. $50.00. Model NTM direct reading capacitance meter. 5 ranges 125-250-500-750 & 1250 pf. With X10 switch gives max capacitance of 12500 pf. $100.00. All complete with instruction manuals. This Japanese equipment very slightly used in first class condition. W. R. Eastman, K4OC, 11351 - 60th Terr., N. Seminole, FL. 33542. Phone 393-1153.

A DX VACATION

Joe Darmento, W4SXK, and XYL have just returned from a month's tour of Italy where Joe went for eyeball QSOs with "paisanos" he contacts regularly from his home station on Merritt Island. Joe and the XYL received lavish hospitality everywhere. The highlight of trip was their stay with I1BAX with whom Joe worked in 1970 to get a child a heart operation in U.S. About 50 hams gathered to give Joe and the XYL a royal banquet, plus mementos of their visit.

Italian hams are fully up to state of the art. FM and CB is widespread. But, with equipment costs twice the U.S. prices, there is evident more ingenuity and home brew. I1BAX shack reflects his profession (he is a thoracic surgeon) and is uncluttered like a hospital operating room: A $5,000 Racal receiver and a Kleinschmidt; a decimal counter and exciter-linear with both AF and RF compression all "auto'constructed," and a whole array of test equipment. Piero, I5TDJ in Florence, has all home-built gear. His latest, an FET-IC receiver only 5 x 10 x 10 inches which performed beautifully when Joe tried it for a few stateside contacts. Equipment in Rome varied from Collins-Henry Linear set-ups to BC-348-807 rigs. High power tubes are available but cost is prohibitive — a 3-500Z goes for $70. One linear had two 5D-21s (a WW II radar modulator) another had three! 813s — the ham had a boxful bought at a hamfest. But both these hams put a FB 5-9 sig regularly into Florida.

Joe says he lost 10 years driving in Rome! but is going back anyway for more of that delicious ham with melon, and "vino."

CONFIDENTIAL FREQ. LIST

(Continued from page 1)

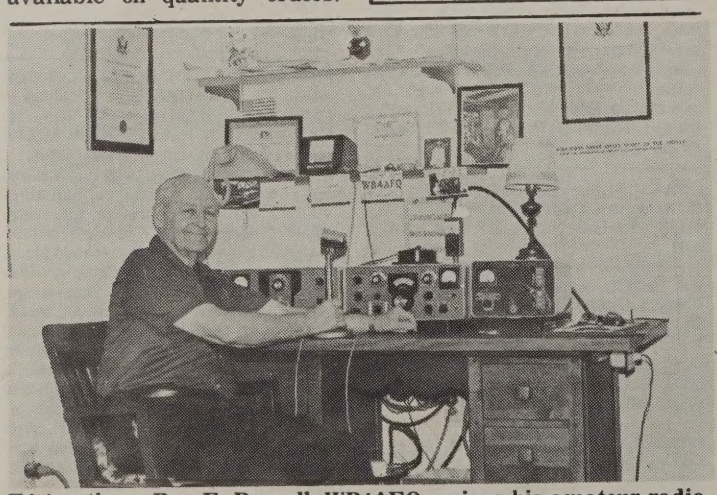
continued: "A short time ago I printed and advertised a small frequency list, and was promptly visited by the FBI who advised me of my rights and asked me if I had ever been arrested before. I said, 'what do you mean . . .before'!" Fortunately, the entire issue was clarified at that time, and I was able to prove that I had not broken any laws." No arrest was made, and the issue was dropped. After that, Bob expanded the work to its present form, and sales are reported very brisk!

Confidential Frequency List is available at a cost of $3.95 from Gilfer Associates, P.O. Box 239, Park Ridge, New Jersey., 07656. Dealer prices are available on quantity orders.

STOLEN EQUIPMENT

NOTICE: Stolen Gear. Someone broke into my car while I was at work on October 13, 1972 and removed my Drake TR-22 Ser. 410912, Dycomm 500Es super brick FM Amp. Ser. ESO93. If you see or know of this equipment, please contact me. Bill Schmidt, WB4MWQ, 5613 B. Wesconnett, Jacksonville, FL 32210.

SEASON'S GREETINGS
TO ALL FROM
STAFF OF
FLORIDA SKIP



FAA retirees Rex E. Purcell, WB4AFQ, enjoys his amateur radio now at 105 Quail Dr., New Port Richey, Florida 33552. Rex meets the FAA Net Sunday mornings on 40 SSB. Easy does it OM.

W4UKA at controls of Silver Springs Radio C lub station AF4ANJ. George ran over 700 patches a month back when radio propagation was good and before the troop cut-back. Many patches are still being made through the Club station.

QRP ON 1750 METERS

By Jim Hagan, WA4GHK *

SPECIAL TO FLORIDA SKIP (In 3 Parts)

All amateurs are familiar with the usual HF bands 80 thru 10 meters. Some are quite used to operation on the VHF and UHF bands, while fewer still have tried 160 meters our lowest frequency assignment. On the days before the various amateur bands were assigned all operations were on frequencies that fall in or below what is the standard broadcast band today. Some of the bigger stations went as low as 300 kc (1000 meters).

A little known FCC regulation part 15.203 gives us the chance to explore a portion of the long waves and try QRP at the same time. Under this regulation, operation is allowed between 160 and 190 KHz with a d.c. power input of up to one watt and a maximum antenna length of 50 feet. NO LICENSE OF ANY SORT IS REQUIRED, but of course operation is on a non-interference basis. Fortunately this part of the Spectrum is not crowded with stations particularly in the daytime. There are a few high powered government RTTY (Radioteletype) and c.w. stations and at night European broadcast stations can be quite strong.

The power restriction by itself would not be too bad as almost anyone is familiar with what can be accomplished on the HF bands with very low power.

The main problem is with the antenna. The band corresponds roughly to a wavelength of 1750 meters which means that a quater wave vertical would be 1430 feet high. Even without the restriction this would be an impossible height for amateurs, but the 50 foot antenna is less than 1-100 of a wavelength. The problem than is how to make a very short antenna perform efficiently. Vertical polarization is a must, so the 50 foot should be all vertical. I am using a TV push up mast. Very large loading coils are needed. A typical loading coil would be 10 inch dia. by 12 inches long and have about 200 turns of heavy gauge wire on it. The importance of a good ground can not be over emphasized. This generally means a buried radial system of some sort with ground rods at the radial ends.

For receiving, any sort of antenna may be used as the restrictions do not apply here. A good receiver is a must since transmitter power is low. Some good ones might be Navy models RAK and RBL, the RRO series, converted BC-453 or a converter such as the one described in QST, September, 1968.

For anything beyond just local work the receiver must be very selective preferably with bandwidths of 500 cps. or less. The biggest problem with receiving appears to be getting sufficient isolation from the a.c. power line. All of these lines are noisy and unless you can locate your station well away from the street lines and use a good ground on the receiver, a battery operated system is best. Static is very bad during the warmer months. The best distance is covered during the winter months. * 896 Part Malabar Blvd., Palm Bay, FL 32901. Part II next month.